

AMENDMENTS TO THE CLAIMS:

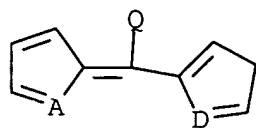
This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An organic light emitting diode device comprising a substrate bearing a layer structure between an anode and a cathode, wherein said layer structure consists of a single organic layer ~~comprising a hole transporter, an electron transporter and a light emitter~~, optionally an electrode modifying layer between the single organic layer and the anode, and optionally an inorganic electrode modifying layer between the single organic layer and the cathode, wherein the single organic layer comprises a hole transporter, an electron transporter and a light emitter and wherein either or both of a compound is present in the single organic layer, which compound acts as an electron transporter and light emitter and is of general Formula I:
- ~~the electron transporter and the light emitter comprises a material of general formula I~~

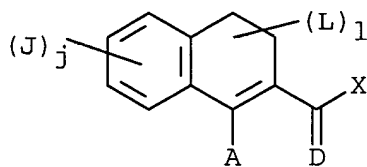


Formula I

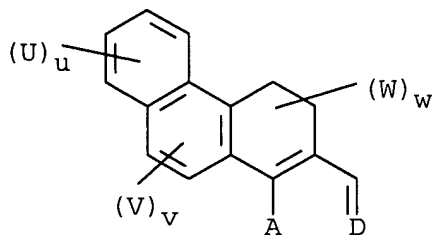
wherein $\overset{\text{A}}{\text{---}} \text{D}$ is selected from the following:



wherein A and D are both N, and the ring systems are, independently of each other, optionally substituted with one or two or three groups independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy; Q is CN or H or C₁₋₈ straight chain or branched chain alkyl;



wherein A and D are O or N, X is C₁₋₅ straight chain or branched chain alkyl or alkoxy and the ring systems are, independently of each other, optionally substituted with one or more groups J and L independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy wherein j is selected from 0-4 and l is selected from 0-2;



wherein A and D are O or N and the ring systems are, independently of each other, optionally substituted with one or more groups U, V, W independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy wherein u is 0-4, v is 0-2 and w is 0-2.

2. (Previously Presented) A device according to claim 1 wherein at least one of the anode and the cathode has an electrode modifying layer at the electrode/organic layer interface.

3. (Original) A device according to claim 2 wherein there are electrode modifying layers at both electrode/organic layer interfaces.

4. (Previously Presented) A device according to claim 2 wherein the anode is the electrode closest to the substrate.

5. (Previously Presented) A device according to claim 1 wherein there is an electrode modifying layer adjacent to the anode comprising either PEDOT or polyaniline.

6. (Previously Presented) A device according to claim 2 wherein the cathode is the electrode furthest from the substrate.

7. (Currently Amended) A device according to claim 1 wherein there is an inorganic electrode modifying layer adjacent to the cathode comprising either MgF_2 or LiF .

8. (Previously Presented) A device according to claim 1 wherein the cathode is made from Al, Al alloy, Mg or MgAg.

9. (Previously Presented) A device according to claim 1 wherein the organic layer additionally includes a semi-conducting polymer.

10. (Previously Presented) A device according to claim 1 wherein the organic layer additionally includes at least a further one of a hole transporter, an electron transporter or a light emitter.

11. (Previously Presented) A device according to claim 1 wherein the organic layer further additionally includes a substantially non-conducting polymer and at least one of a further hole transporter, an electron transporter or a light emitter.

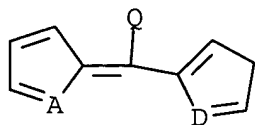
12. Canceled.

13. (New) An organic light emitting diode device comprising a substrate bearing a layer structure between an anode and a cathode, wherein said layer structure consists of a single organic layer, optionally an electrode modifying layer between the single organic layer and the anode, and optionally an inorganic electrode modifying layer between the single organic layer and the cathode, wherein the single organic layer comprises a hole transporter, an electron transporter and a light emitter, and wherein a compound is present in the single organic layer, which compound acts as an electron transporter and light emitter and is of general Formula I:-



Formula I

wherein $\overset{\text{A}}{\text{C}_5\text{H}_4\text{N}}-\overset{\text{D}}{\text{C}_5\text{H}_4\text{N}}$ is selected from the following:



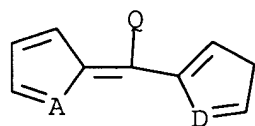
wherein A and D are both N, and the ring systems are, independently of each other, optionally substituted with one or two or three groups independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy; Q is CN or H or C₁₋₈ straight chain or branched chain alkyl.

14. (New) An organic light emitting diode device comprising a substrate bearing a layer structure between an anode and a cathode, wherein said layer structure consists of a single organic layer, optionally an electrode modifying layer between the single organic layer and the anode, and optionally an inorganic electrode modifying layer between the single organic layer and the cathode, wherein hole transport, electron transport and light emitting functions are provided by the single organic layer, and wherein in the single organic layer there is present as an electron transporter and a light emitter a compound of general Formula I,

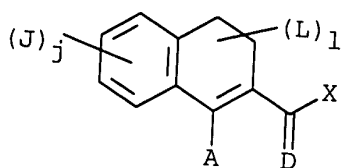


Formula I

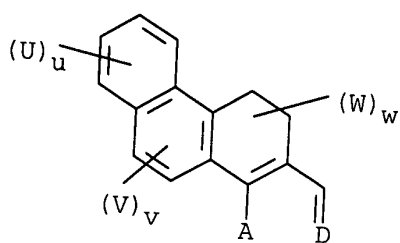
wherein $\overset{\text{A}}{\text{---}}\text{D}$ is selected from the following:



wherein A and D are both N, and the ring systems are, independently of each other, optionally substituted with one or two or three groups independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy; Q is CN or H or C₁₋₈ straight chain or branched chain alkyl;



wherein A and D are O or N, X is C₁₋₅ straight chain or branched chain alkyl or alkoxy and the ring systems are, independently of each other, optionally substituted with one or more groups J and L independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy wherein j is selected from 0-4 and l is selected from 0-2;



wherein A and D are O or N and the ring systems are, independently of each other, optionally substituted with one or more groups U, V, W independently selected from C1 - C8 straight chain or branched chain alkyl or alkoxy wherein u is 0-4, v is 0-2 and w is 0-2.